IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Nobuyoshi YAMAMOTO

Serial No : Not Yet Assigned

Filed : Concurrently Herewith

For : IP CONNECTION COMMUNICATION SYSTEM AND IP CONNECTION TERMINAL

PRELIMINARY AMENDMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Prior to the examination of the above-identified patent application on the merits, the Examiner is respectfully requested to amend the claims as follows:

IN THE CLAIMS

Please amend claims 3 and 8 as follows (a marked-up copy of the claim amendments is provided as an attachment to this Amendment):

3. (Amended-Clean Text) An IP connection communication system as defined in claim 1, wherein a third layer data of the waiting request packet (Pw) and the sending request packet (Ps) contains a customer identification data KID for specifying a user and a machine identification data MID for specifying the IP connection terminal (3A - 3D) thereof as the machine authentication data N_A - N_D, and

the waiting registration means (M_4) and the IP address notification means (M_5) of the directory service server (4) are executed when the machine authentication data (N_A - N_D) agrees with a previously registered user's machine authentication data (N_A - N_D).

8. (Amended-Clean Text) An IP connection terminal as defined in claim 5, wherein

a LAN card (7) connected in a wireless to a wireless LAN access point (6A - 6D) is connected to the internet (2),

the third layer data of the waiting request packet Pw and the sending request packet Ps contains the customer identification data (KID) for specifying the user and a machine identification data (MID) for specifying the IP connection terminal thereof as the machine authentication data (NA -ND), and the machine identification data (MID) contains an MAC address DA encrypted under a predetermined rule from MAC address (MD) or the MAC address (MD) per se of the LAN card (7).

Please add new claims 9 – 12 as follows:

---9. An IP connection communication system as defined in claim 2, wherein a third layer data of the waiting request packet (Pw) and the sending request packet (Ps) contains a customer identification data KID for specifying a user and a machine identification data MID for specifying the IP connection terminal (3A - 3D) thereof as the machine authentication data N_A - N_D, and

the waiting registration means (M_4) and the IP address notification means (M_5) of the directory service server (4) are executed when the machine authentication data (N_A - N_D) agrees with a previously registered user's machine authentication data (N_A - N_D).

10. An IP connection communication system as defined in claim 9, wherein

a LAN card (7) connected in a wireless fashion with each of wireless LAN access points 6A to 6D connected to the internet is attached to each IP connection terminal (3A - 3D) and

an MAC address (DM) encrypted under a predetermined rule or the MAC address (DM) per se of the LAN card (7) is contained in the machine identification data (MID).

11. An IP connection terminal as defined in claim 6, wherein

a LAN card (7) connected in a wireless to a wireless LAN access point (6A - 6D) is connected to the internet (2),

the third layer data of the waiting request packet Pw and the sending request packet Ps contains the customer identification data (KID) for specifying the user and a machine identification data (MID) for specifying the IP connection terminal thereof as the machine authentication data (NA -ND), and the machine identification data (MID) contains an MAC address DA encrypted under a predetermined rule from MAC address (MD) or the MAC address (MD) per se of the LAN card (7).

12. An IP connection terminal as defined in claim 7, wherein

a LAN card (7) connected in a wireless to a wireless LAN access point (6A - 6D) is connected to the internet (2),

the third layer data of the waiting request packet Pw and the sending request packet Ps contains the customer identification data (KID) for specifying the user and a machine identification data (MID) for specifying the IP connection terminal thereof as the machine authentication data (NA -ND), and the machine identification data (MID) contains an MAC address DA encrypted under a predetermined rule from MAC address (MD) or the MAC address (MD) per se of the LAN card (7).---

REMARKS

By the above amendment, claims 3 and 8 have been amended and claims 9-12 have been added to delete multiple dependency.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,
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MARKED-UP COPY OF CLAIM AMENDMENTS

3. (Amended) An IP connection communication system as defined in claim 1 [or 2], wherein a third layer data of the waiting request packet (Pw) and the sending request packet (Ps) contains a customer identification data KID for specifying a user and a machine identification data MID for specifying the IP connection terminal (3A - 3D) thereof as the machine authentication data N_A - N_D, and

the waiting registration means (M_4) and the IP address notification means (M_5) of the directory service server (4) are executed when the machine authentication data (N_A - N_D) agrees with a previously registered user's machine authentication data (N_A - N_D).

8. (Amended) An IP connection terminal as defined in claim 5, [6 or 7,] wherein

a LAN card (7) connected in a wireless to a wireless LAN access point (6A - 6D) is connected to the internet (2),

the third layer data of the waiting request packet Pw and the sending request packet Ps contains the customer identification data (KID) for specifying the user and a machine identification data (MID) for specifying the IP connection terminal thereof as the machine authentication data (NA -ND), and the machine identification data (MID) contains an MAC address DA encrypted under a

predetermined rule from MAC address (MD) or the MAC address (MD) per se of the LAN card (7).